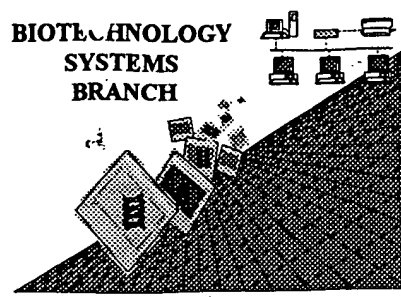


0510
0905



RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/930,915
Source: OPE
Date Processed by STIC: 8/23/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/930,915

DATE: 08/23/2001
 TIME: 17:29:04

Input Set : A:\Icc-1022.app
 Output Set: N:\CRF3\08162001\I930915.raw

Does Not Comply
 Corrected Diskette Needed

3 <110> APPLICANT: Birkett, Ashley J.
 5 <120> TITLE OF INVENTION: IMMUNOGENIC Hbc CHIMER PARTICLES HAVING ENHANCED
 6 STABILITY
 8 <130> FILE REFERENCE: 4564/81175 ICC-102.2
 9 <140> CURRENT APPLICATION NUMBER: US/09/930,915
 11 <141> CURRENT FILING DATE: 2001-08-15
 13 <150> PRIOR APPLICATION NUMBER: 60/226,867
 14 <151> PRIOR FILING DATE: 2000-08-22
 16 <150> PRIOR APPLICATION NUMBER: 60/225,843
 17 <151> PRIOR FILING DATE: 2000-08-16
 19 <160> NUMBER OF SEQ ID NOS: 313
 21 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

2140 <210> SEQ ID NO: 188
 2141 <211> LENGTH: 1617
 2142 <212> TYPE: PRT
 2143 <213> ORGANISM: Hepatitis C virus
 2145 <400> SEQUENCE: 188
 2146 Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
 2147 1 5 10 15

E--> 2149 Leu

2205 <210> SEQ ID NO: 193
 2206 <211> LENGTH: 9
 2207 <212> TYPE: PRT
 2208 <213> ORGANISM: Plasmodium vivax
 2210 <400> SEQUENCE: 193
 E--> 2211 Asp Arg Ala Xaa Gly Gln Pro Ala Gly

see item 9 on Erra Summary Sheet

2212 1 5
 2215 <210> SEQ ID NO: 194
 2216 <211> LENGTH: 9
 2217 <212> TYPE: PRT
 2218 <213> ORGANISM: Plasmodium vivax
 2220 <400> SEQUENCE: 194
 E--> 2221 Ala Asn Gly Ala Xaa Asx Gln Pro Gly

item 9

2222 1 5
 4031 <210> SEQ ID NO: 276
 4032 <211> LENGTH: 554 (p. 2)
 4033 <212> TYPE: DNA

4034 <213> ORGANISM: Hepatitis B virus
 4036 <400> SEQUENCE: 276

4037 atggacattg acccttataa agaatttgga gctactgtgg agttactctc gtttttgcct 60
 4038 tctgacttct ttccttccgt acgagatctc ctagacaccg cctcagctct gtatcgagaa 120
 4039 gccttagagt ctcttgagca ttgtcacct caccatactg cactcaggca agccattctc 180
 4040 tgctgggggg aattgatgac tctagctacc tgggtgggta ataattgca agatccagca 240

RAW SEQUENCE LISTING

DATE: 08/23/2001

PATENT APPLICATION: US/09/930,915

TIME: 17:29:05

Input Set : A:\Icc-1022.app

Output Set: N:\CRF3\08162001\I930915.raw

```
4041 tccagagatc tagtagtcaa ttatgttaat actaacatgg gtttaaagat caggcaacta 300
4042 ttgtgggttc atatatcttg ccttactttt ggaagagaga ctgtacttga atatttggtc 360
4043 tctttcggag tgtggattcg cactcctcca gcctatagac caccaaagtc ccctatctta 420
4044 tcaacacttc cggaaactac tggtgttaga cgacgggacc gaggcaggtc ccctagaaga 480
4045 agaactccct cgctcgcag acgcagatct caatcgccgc gtcgcagaag atctcaatct 540
E--> 4046 cgggaatctc aatgt 555
```

VERIFICATION SUMMARY

DATE: 08/23/2001

PATENT APPLICATION: US/09/930,915

TIME: 17:29:06

Input Set : A:\Icc-1022.app

Output Set: N:\CRF3\08162001\I930915.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:2149 M:252 E: No. of Seq. differs, <211>LENGTH:Input:16 Found:17 SEQ:188 ✓
L:2211 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:193 ✓
L:2221 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:194 ✓
L:3325 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:258
L:3411 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:260
L:4046 M:252 E: No. of Seq. differs, <211>LENGTH:Input:554 Found:555 SEQ:276